

in those that are not, and rather upon the Convex-side, than the other ; and more in fresh ones, than in the stale.

12. That having somewhat scaled the Convex-side of the shell, and discover'd the Communication of the holes, wherein the often-mention'd viscous moysture, that has any form of insects, is found ; he smelt a scent, that was like the water of a squeezed Oyster.

13. That the Worms give no light, when irritated, but if they do, the light lasts but a very little time, whereas that which appears in those, that were not angered before, continues a great while ; the *Observer* affirming to have kept of it above 2 hours.

So far the *Journal des Scavans* ; which intimates withal, that if the *Observers* had had better *Microscopes*, they could have better examin'd this matter.

But since the curious here in *England* are so well furnish with good ones, 'tis hoped, that they will employ some of them for further and more minute Observations of these Worms ; it being a matter, which, joyned with other Observations, already made by some excellent persons here, (especially Mr. *Boyle*) upon this subject of Light, may prove very luciferous to the doctrine of it, so much yet in the dark.

Some Observations Of the Effects of Touch and Friction.

The Operations and Effects of *Touch* and *Friction* having been lately much taken notice off, and being lookt upon by some, as a great *Medical* Branch, for the curing of many diseases and infirmities ; it will perhaps not be unreasonable to mention (here also) some Observations relating thereunto ; which may give an occasion to others, to consider this subject more, than has been done heretofore, and to make further

ther Observations and Tryals concerning the power of the same.

And First, the Illustrious Lord of *Verulam*, in his *History of Life and Death*, Histor. 6. §. 3. observes, That *Motion* and *Warmth* (of which two, *Friction* consists) draws forth, into the parts, New Juyce and Vigour. And *Canon*. XIII. he affirms, That *Frictions* conduce much to *Longevity*. See the same, *Connex*. ix. §. 26. &c.

Secondly, The Honourable *Robert Boyle*, in his *Usefulness of Experimental Philosophy*, sect 2. ch. 15. considering the Body of a Living man or any Animal, as an Engine, so composed, that there is a conspiring communication betwixt its parts, by vertue whereof a very slight impression of adventitious matter upon some one part, may be able to work, on some other distant part, or perhaps on the whole Engine, a change far exceeding, what the same adventitious matter could do upon a Body not so contrived: Representing, I say, an Animal in this manner, and thence inferring, how it may be alter'd for the better or worse by motions or impulses, confessedly *Mechanicall*, observes; How some are recover'd from swooning fits by pricking; others grow faint and do vomit by the bare motion of a Coach; others fall into a troublesome sickness by the agitation of a Ship, and by the Sea-air (whence they recover by rest, and by going a shore.) Again, how in our Stables a Horse well-curried is half-fed: How some can tell by the Milk of their Asses, whether that day they have been well curried or not: Arguing hence, that if in *Milk* the alteration is so considerable, it should be so likewise in the *Blood*, or other Juyces, of which the Blood is elaborated, and consequently in divers of the principal parts of the Body. Where also (upon the authority of *Piso*) he refers the Reader to the *Brasilian* Empiricks, whose

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wild *Frictions*, as unskillfully as they order them, do strange things, both in *preserving health*, and *curing diseases*; curing Cold and *Chronical* ones by *Friction*, as they do *Acute* ones, by *Unction*.

Thirdly, The learned Dr. *John Beale*, did not long since communicate by some Letters; *First*, that he could make good proof of the curing or killing a very great and dangerous *Wen* (that had been very troublesome for two or three years,) by the application of a dead mans hand, whence the Patient felt such a cold stream pass to the Heart, that it did almost cause in him a fit of swooning. *Secondly*, that, upon his brothers knowledge, a certain Cook in a Noble Family of *England* (wherein that brother of his then lived) having been reproached for the ugliness of his *Warty* hands, and return'd for answer, that he had tried many remedies, but found none, was bid by his Lord, to rub his hand with that of a dead man; and that this Lord dying soon after, the Cook made use both of his Lords advise and hand, and speedily found good effect. (Which is also confirm'd by what Mr. *Boyle* relates in his lately mentioned *Book*, of Dr. *Harvey's* frequently successful trial, of curing some Tumors or Excrecencies, by holding on them such a Hand.) Here is *Friction* or *Touch*, to mortifie Wens, to drive away swellings and Excrecencies: And why not to repell or dissipate Spirits, that may have a dangerous influence upon the Brain, or other parts; as well as to call forth the retired ones into the habit of the Body, for Invigoration? *Thirdly*, that a Gentleman, who came lately out of *Ireland*, lay at his House, and inform'd him of an aged Knight there, who having great pain in his feet, insomuch that he was unable to use them, suffered; as he was going to bed, a loving *Spaniel* to lick his feet; which was for the present very pleasing to him, so that he used it mornings and evenings, till he found the pain appeased, and the use of his feet restored. This, saith the

the *Relator*, was a gentle touch, and transpiration; for he found the Spirits transpire with a pleasing Kind of Titillation. *Fourthly*, that he can assure of an honest Blacksmith, who by his healing hand converted his Barrs of Iron into Plates of Silver; and had this particular faculty, that he caused Vomitings by stroaking the Stomack; gave the Stool by stroaking the Belly; appeased the Gout, and other paines, by stroaking the parts affected.

Some particulars, communicated from forraign parts, concerning the Permanent Spott in Jupiter; and a Contest between two Artists about Optick Glasses, &c.

Eustachio de Divinis (saith the *Informer*,) has written a large Letter, wherein he pretends, that the Permanent Spot in *Jupiter* hath been first of all discovered with his Glasses; and that the P.

Gotignies is the first that hath thence deduced the Motion of *Jupiter* about his *Axis*; and that Signior *Cassini* opposed it at first; to

whom the said *Gotignies* wrote a letter of complaint thereupon.

See Numb. 1. of these Transactions; by the date whereof it will appear, that that Spot was observed in England, a good while before any such thing was so much as heard of.

The same *Eustachio* pretends likewise, that his great Glasses excell those of *Campani*; and that in all the tryals, made with them, they have performed better; and that *Campani* was not willing to do, what was necessary for well comparing the one with the other. *viz.* To put equall *Eye-glasses* in them, or to exchange the same Glasses.

The said *Divini* affirms also, that he hath found a way to